 Mac   iPad   iPhone   Watch   TV   Music   Support

Security. Built right in.

We design Mac hardware and software with advanced technologies that work together to run apps more securely, protect your data, and help keep you safe on the web. And with macOS Big Sur available as a free upgrade, it's easy to get the most secure version of macOS for your Mac.*
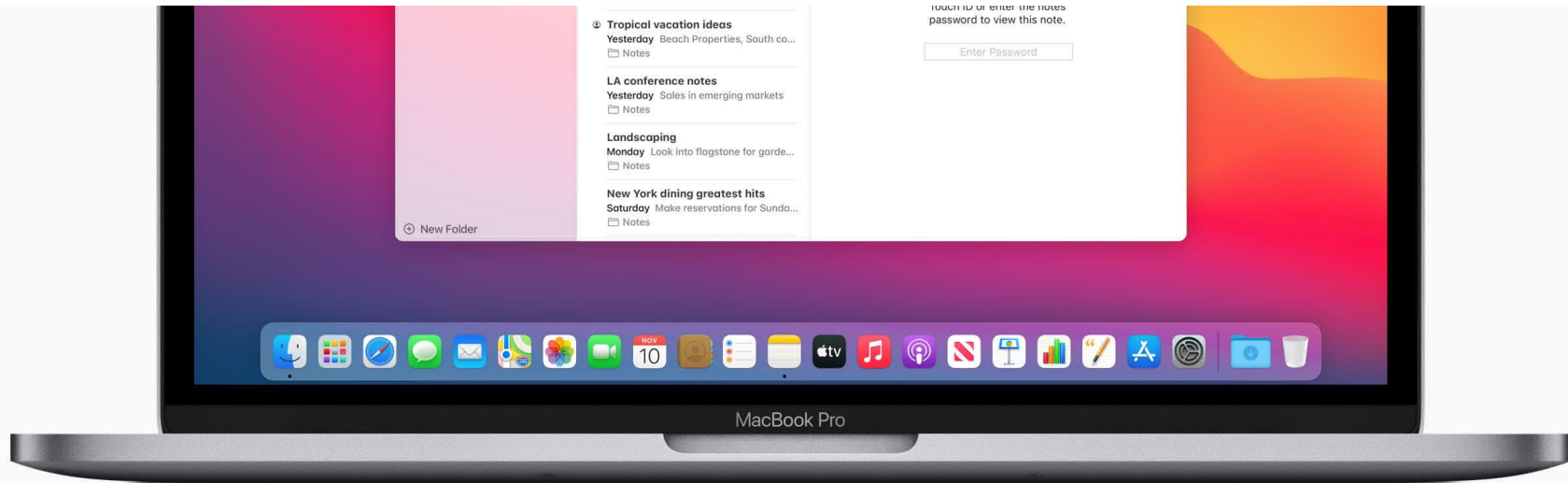
Exhibit PX 741

Exhibit PX 741

# More secure hardware means more secure software.
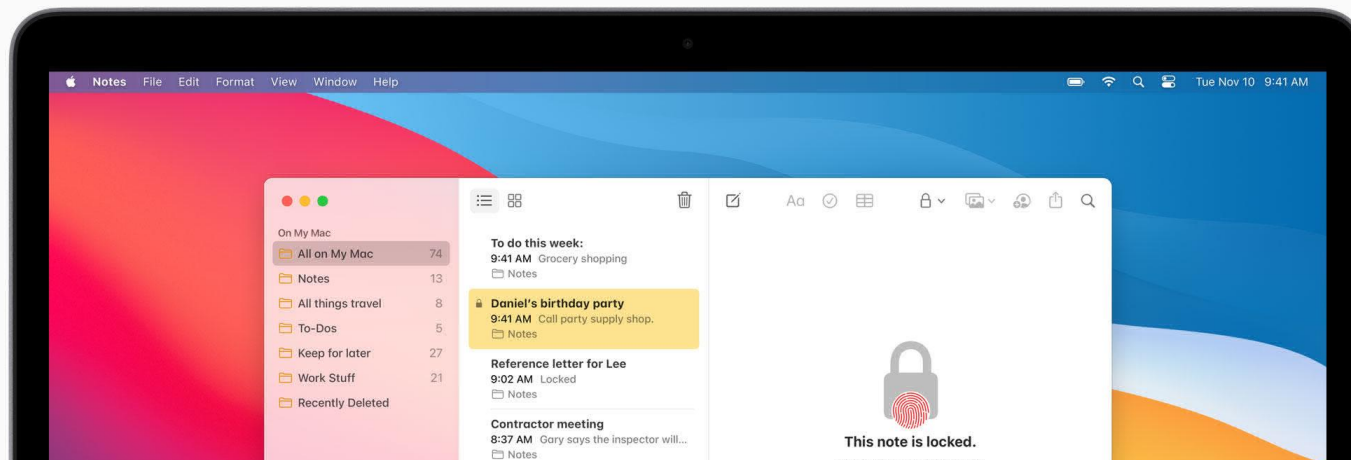
Apple M1 chip.
A shared architecture
for security.

The Apple M1 chip with built-in Secure Enclave brings the same powerful security capabilities of iPhone to Mac — protecting your login password, automatically encrypting your data, and powering file-level encryption so you stay safe. And the Apple M1 chip keeps macOS secure while it's running, just as iOS has protected iPhone for years.

Apple helps you keep your Mac secure with software updates.

The best way to keep your Mac secure is to run the latest software. When new updates are available, macOS sends you a notification — or you can opt in to have updates installed automatically when your Mac is not in use. macOS checks for new updates every day and starts applying them in the background, so it's easier and faster than ever to always have the latest and safest version.

Safely run apps like never before.
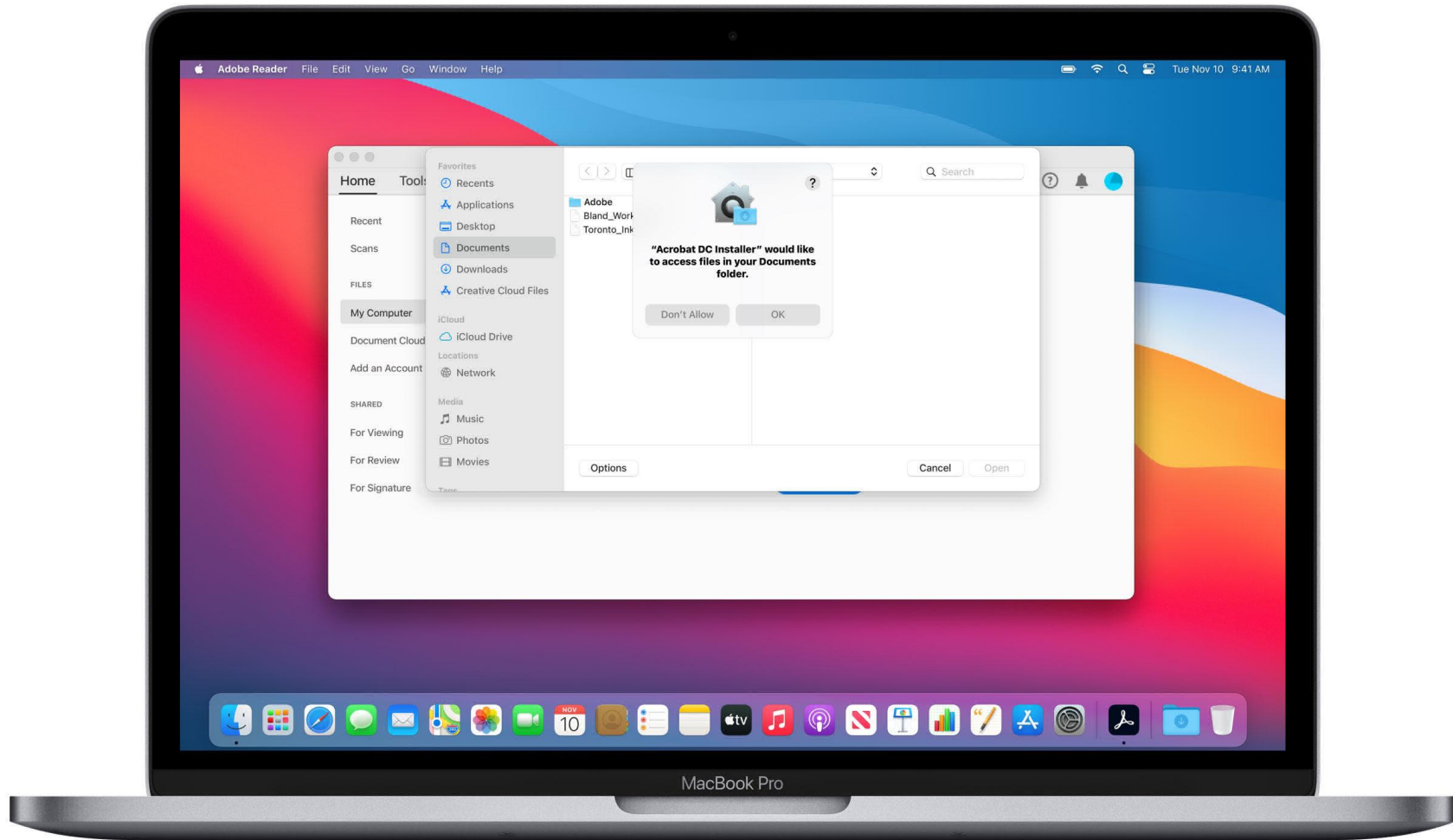
Protection starts at the core.

The technically sophisticated runtime protections in macOS work at the very core of your Mac to keep your system safe from malware. This starts with state-of-the-art antivirus software built in to block and remove malware. Technologies like XD (execute disable), ASLR (address space layout randomization), and SIP (system integrity protection) make it difficult for malware to do harm, and they ensure that processes with root permission cannot change critical system files.

Download apps safely from the Mac App Store. And the internet.

Now apps from both the App Store and the internet can be installed worry-free. App Review makes sure each app in the App Store is reviewed before it's accepted. Gatekeeper on your Mac ensures that all apps from the internet have already been checked by Apple for known malicious code — before you run them the first time. If there's ever a problem with an app, Apple can quickly stop new installations and even block the app from launching again.

Your data. Your rules.
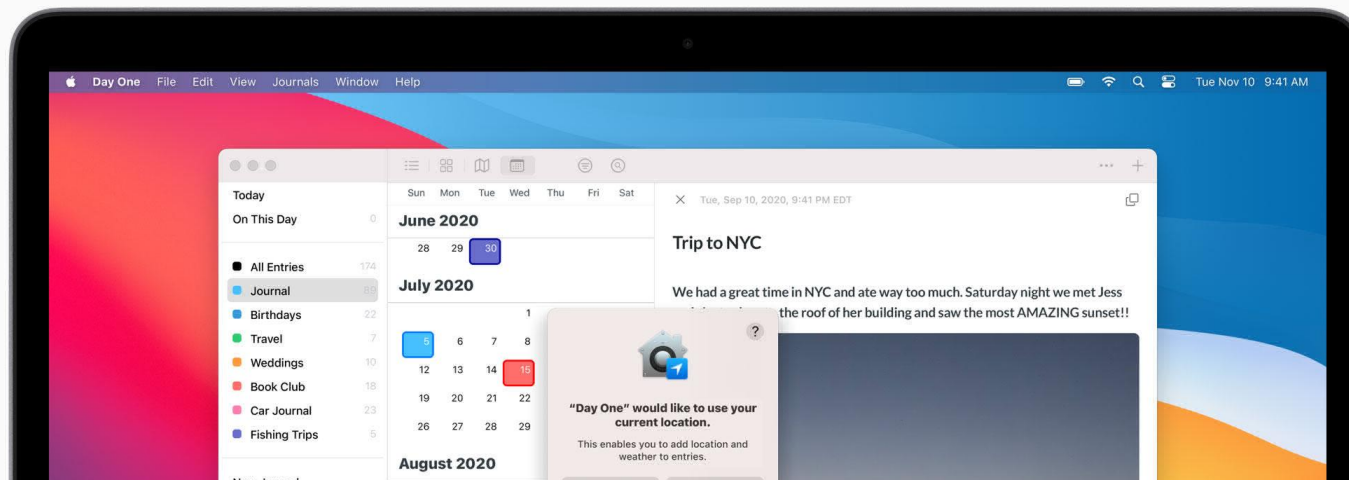
Stay in control of what data apps can access.

Apps need your permission to access files in your Documents, Downloads, and Desktop folders as well as in iCloud Drive and external volumes. And you'll be prompted before any app can access the camera or mic, capture keyboard activity, or take a photo or video of your screen.

FileVault 2 encrypts your data.

With FileVault 2, your data is safe and secure — even if your Mac falls into the wrong hands. FileVault 2 encrypts the entire drive on your Mac, protecting your data with XTS-AES 128 encryption. Mac computers built on the Apple M1 chip take data protection even further by using dedicated hardware to protect your login password and enabling file-level encryption, which developers can take advantage of — just as on iPhone.

2/11/2021

Safer browsing
# with Safari.
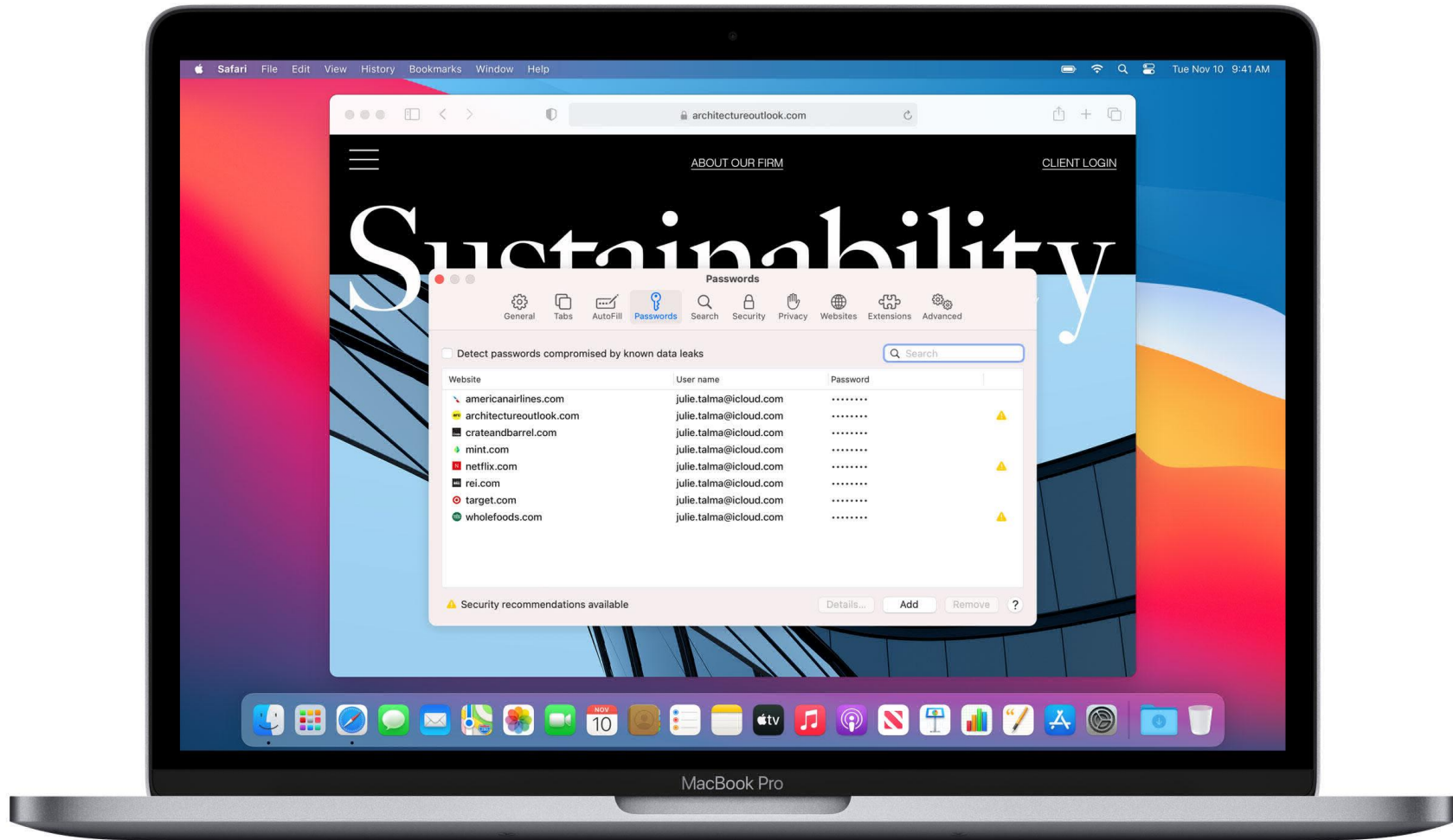
Designed to protect your privacy.

Online privacy isn't just something you should hope for — it's something you should expect. That's why Safari comes with powerful privacy protection technology built in, including Intelligent Tracking Prevention that identifies trackers and helps prevent them from profiling or following you across the web. A new weekly Privacy Report on your start page shows how Safari protects you as you browse over time. Or click the Privacy Report button in your Safari toolbar for an instant snapshot of the cross-site trackers Safari is actively preventing on that web page.

Automatic protections from intruders.

Safari uses iCloud Keychain to securely store your passwords across all your devices. If it ever detects a security concern, Password Monitoring will alert you. Safari also prevents suspicious websites from loading and warns you if they're detected. And because it runs web pages in separate processes, any harmful code is confined to a single browser tab and can't crash the whole browser or access your data.

Secure your Mac.
From anywhere.
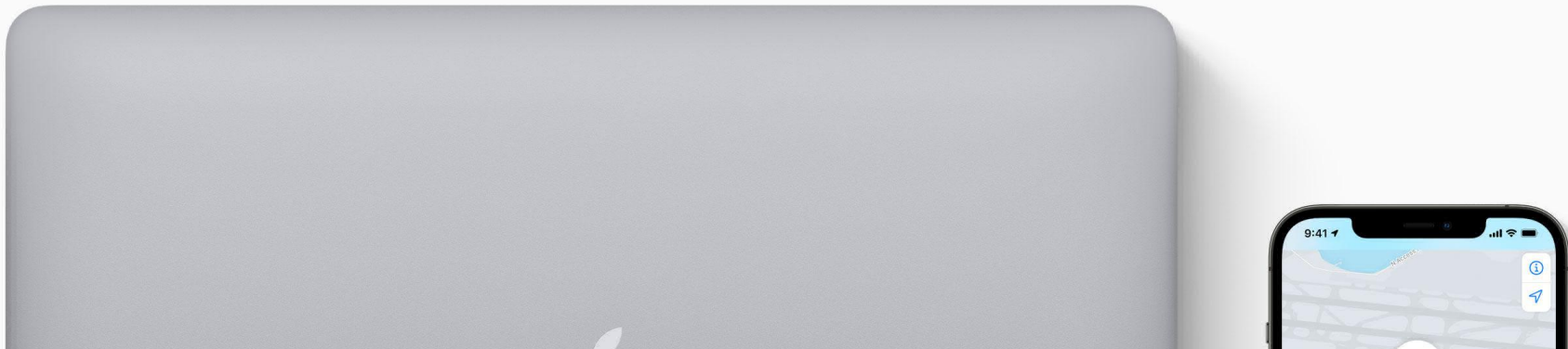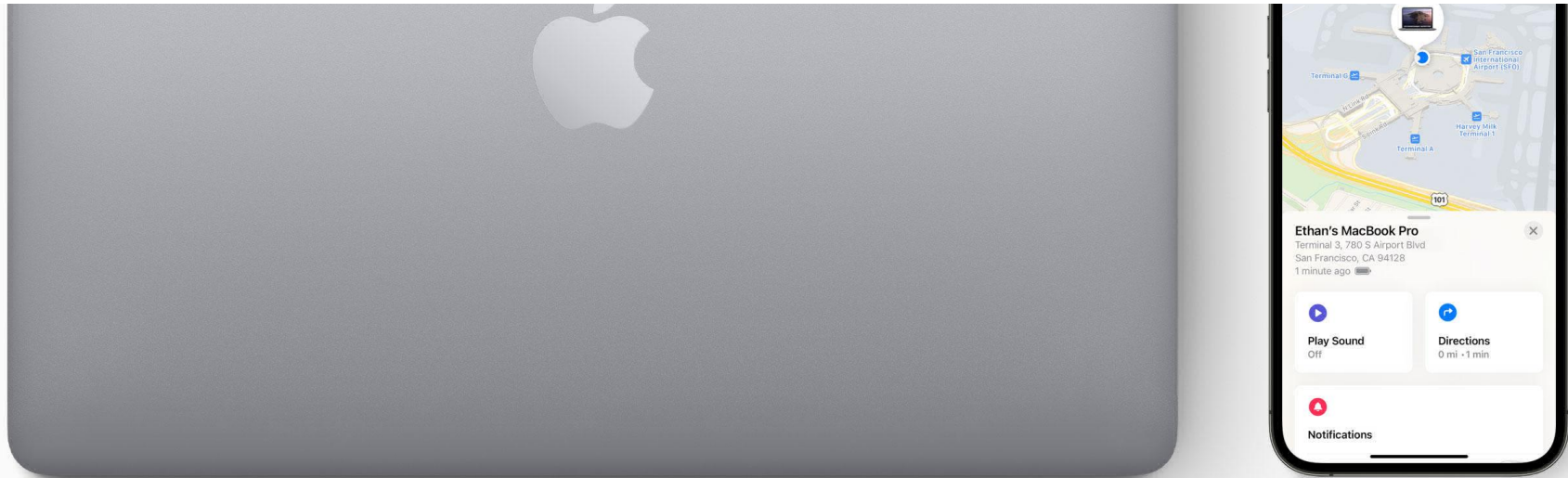
Find your missing Mac with Find My.

The Find My app can help you locate a missing Mac — even if it's offline or sleeping — by sending out Bluetooth signals that can be detected by nearby Apple devices. These devices then relay the detected location of your Mac to iCloud so you can locate it. It's all anonymous and encrypted end-to-end so no one — including Apple — knows the identity of any reporting device or the location of your Mac. And it all happens silently using tiny bits of data that piggyback on existing network traffic. So there's no need to worry about your battery life, your data usage, or your privacy being compromised.

Keep your Mac safe. Even if it's in the wrong hands.

All Mac systems built on the Apple M1 chip or with the Apple T2 Security Chip support Activation Lock, just like your iPhone or iPad. So if your Mac is ever misplaced or lost, the only person who can erase and reactivate it is you.

macOS Security

Learn more about Apple Platform Security ›

iCloud Security

Learn more about iCloud Security ›

* View macOS Big Sur upgrade requirements.

Some features require specific hardware and software. For more information, see "Feature Requirements" at apple.com/macos/how-to-upgrade.

 macOS › Security

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Apple Card

Apple Books

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Apple Store Account

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Apple Store

Find a Store

Shop Online

Genius Bar

Today at Apple

Apple Camp

Apple Store App

Refurbished and Clearance

Financing

Apple Trade In

Order Status

Shopping Help

For Business

Apple and Business

Shop for Business

For Education

Apple and Education

Shop for K-12

Shop for College

For Healthcare

Apple in Healthcare

Health on Apple Watch

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